



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

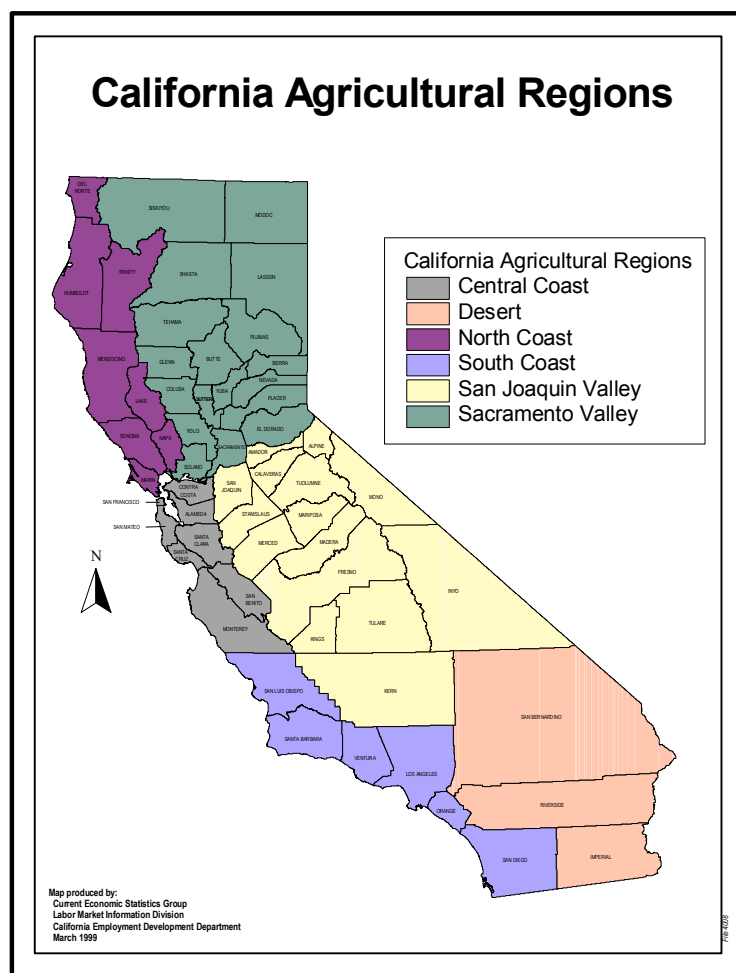
December 2002
(Internet Version)

In This Issue

Agricultural Overview	1
Summary	2
Agricultural Summary Charts	3
California Employment	4
Central Coast Employment	5
Desert Employment	6
North Coast Employment	7
South Coast Employment	8
San Joaquin Valley Employment	9
Sacramento Valley Employment	10
Data Notes	11

Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from 5 to 17 within each of the 6 geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Summary

Employment

Total California agricultural employment for December 2002 decreased by 22,500 jobs over the previous month, a loss of seven percent. Total Agricultural Production from November 2002 to December 2002 decreased by 11,000 jobs, a loss of seven percent. Agricultural Services decreased by 11,100 jobs, a loss of eight percent. Agricultural Employment tends to show a decrease from November to December. The change in Agricultural Employment from November 2001 to December 2001 was a decrease of 30,700 jobs.

The largest decrease for the month was seen in Vegetable and Melon Crops with a decline of 5,400 jobs. Significant decreases in jobs were also registered for Farm Labor Contractors with a decline of 4,900 jobs and in Berry Crops, which showed a drop of 4,400 jobs. Increases of 1,800 were seen in Grape Crops and 700 in Ornamental Floral and Nursery Crops. Total agricultural employment decreased in all but one region with the Central Coast Region showing a decline of 27 percent, followed by a decline of 13 percent in the North Coast Region, four percent in the South Coast Region, three percent in the San Joaquin Valley Region, and two percent in the Sacramento Valley Region. The Desert Region increased by two percent.

Production and Crop Activity

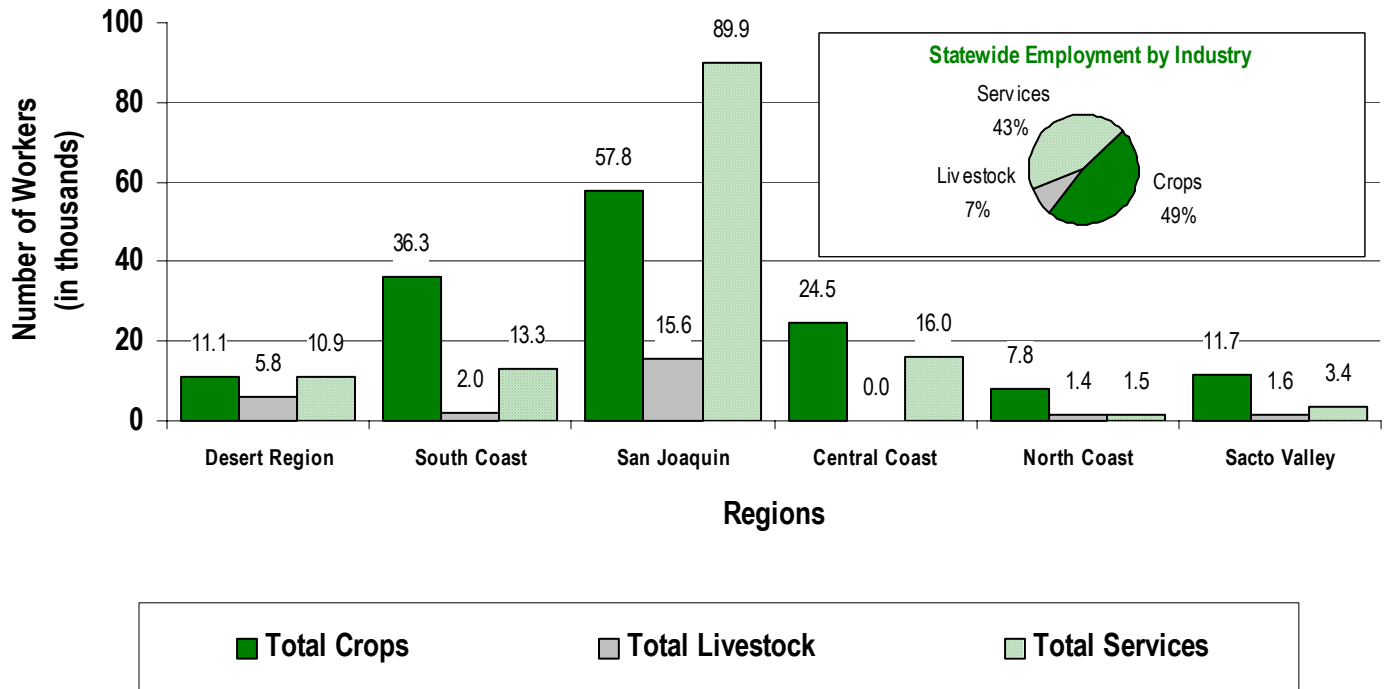
Cotton harvesting was nearly 100 percent complete. Leveling, cultivating, and herbicide treatments were in progress throughout the state in preparation for spring planting. Cutting of alfalfa hay for green chop continued in a few locations. Ground preparation and planting of small grain and winter forage fields continued. Planting of sugar beets continued. Irrigation of previously planted fields was underway in several areas. Potato planting was underway in Kern County. Pre-plant fumigation of sweet potato fields continued. Spring vegetable planting continued. Onion and garlic plantings were winding down. Ground preparation for tomato plantings continued. Fumigation and other preparatory activities continued in pepper and melon fields. Broccoli was planted for spring harvest in Fresno County's west side districts. Broccoli and Cauliflower harvesting continued across the Central valley. Year-round carrot harvesting continued in Kern County. The following vegetables were also harvested: beets, cabbage, eggplant, mustard greens, kale, green onions, parsley, radishes, spinach, cilantro, Jerusalem artichokes, Napa cabbage, and radicchio.

Pruning, brush shredding, and cultivation continued in orchards and vineyards. Stone fruit were treated for dormant season pest control. Growers continued to remove grape vineyards and tree fruit orchards. Late picking of Crimson and Emperor grapes neared completion in southern areas. Growers in Fresno and Tulare counties continued to harvest strawberries for sale at local roadside stands. Olives were harvested for oil production. Navel oranges, mandarins, grapefruit, pummelos, and lemons were picked and packed. Fungicides were applied in citrus orchards as needed. Pecan harvesting continued in Tulare County. Walnut orchards were treated for weed control. Almond stockpiles continued to be hulled.

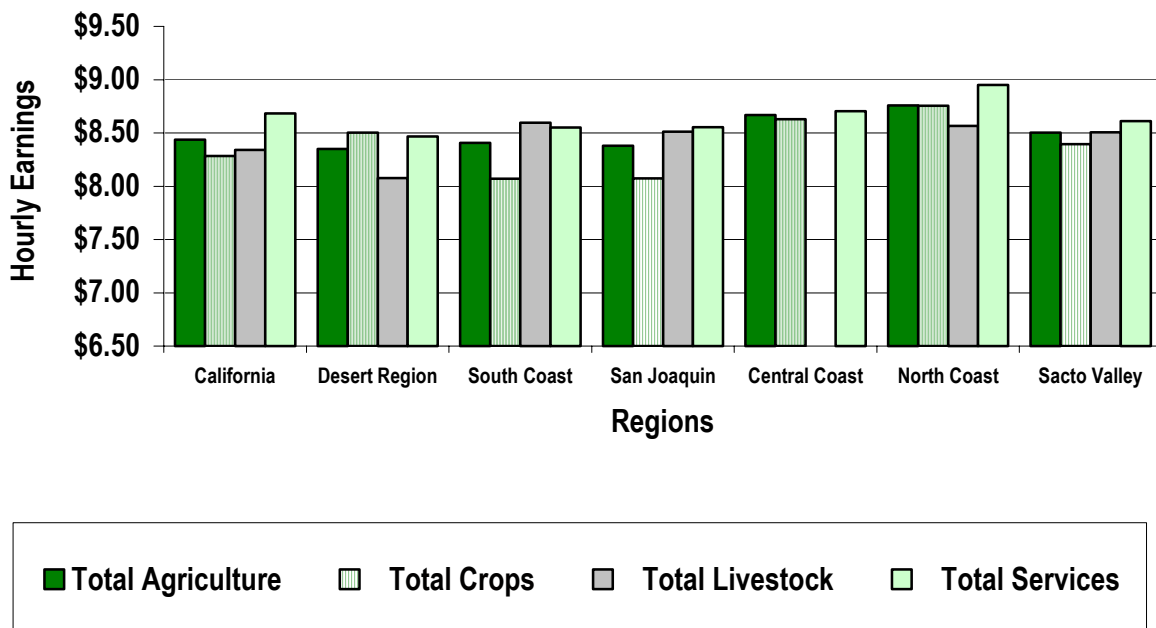
Supplemental feed of cattle continued. Stocker cattle were moved onto foothill pastures in Central California. Fall calving was virtually complete with fall lambing winding down. Beekeepers performed cold season hive maintenance. A few hives were moved to protected locations for the winter.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	310.9	333.4	330.1
Total Agricultural Production/Crops	149.5	160.5	165.3
Cash Grains	1.0	1.2	1.9
Rice	0.4	0.7	1.1
Other Cash Grains	0.6	0.5	0.8
Field Crops Except Grains	7.5	9.3	8.3
Cotton	3.9	4.9	4.4
Other Field Crops	3.6	4.4	3.9
Vegetables and Melons	25.4	30.8	22.9
Total Fruits and Tree Nuts	63.2	67.5	73.5
Berries	8.1	12.5	15.6
Grapes	28.6	26.8	30.7
Tree Nuts	7.5	8.2	8.4
Citrus Fruits	3.7	3.6	3.8
Deciduous Tree Fruit	9.2	10.0	8.2
Other Fruits & Nuts	6.1	6.4	6.8
Total Horticultural Specialties	35.1	34.6	38.2
Ornamental Floral & Nursery	32.0	31.3	34.6
Food Crops Grown Under Cover	3.1	3.3	3.6
General Farm Primarily Crop	17.3	17.1	20.5
Agricultural Production/Livestock	26.4	26.8	30.1
Beef Cattle Feed Lots	0.7	0.7	1.0
Beef Cattle Except Feed Lots	2.7	2.9	3.6
Dairy Farms	16.4	16.5	17.3
Chicken Eggs	1.7	1.6	2.3
Turkey & Turkey Eggs	0.7	0.7	1.0
Other Livestock	4.2	4.4	4.9
Total Agricultural Services	135.0	146.1	134.7
Soil Preparation Services	1.5	1.6	2.4
Crop Services	38.7	44.4	39.3
Plant Cultivate & Protection	4.6	4.9	4.8
Harvest Primarily by Machine	3.1	5.9	3.7
Preparation Services for Market	29.7	31.9	28.9
Cotton Ginning	1.3	1.7	1.9
Total Farm Labor & Management	94.8	100.1	93.0
Farm Labor Contractors	86.9	91.8	84.4
Farm Management Services	7.9	8.3	8.6

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	8.44	8.49	8.28
Total Agricultural Production/Crops	8.28	8.42	8.27
Cash Grains	8.18	8.76	8.43
Rice	8.58	9.26	8.81
Other Cash Grains	7.77	8.26	8.06
Field Crops Except Grains	8.22	8.11	8.33
Cotton	8.29	8.06	8.25
Other Field Crops	8.15	8.17	8.42
Vegetables and Melons	8.26	8.59	8.36
Total Fruits and Tree Nuts	8.35	8.34	8.13
Berries	8.05	8.17	8.19
Grapes	8.60	8.42	8.19
Tree Nuts	8.53	8.46	7.91
Citrus Fruits	8.39	8.37	8.12
Deciduous Tree Fruit	8.25	8.20	7.89
Other Fruits & Nuts	8.31	8.45	8.46
Total Horticultural Specialties	8.39	8.38	8.26
Ornamental Floral & Nursery	8.56	8.51	8.35
Food Crops Grown Under Cover	8.23	8.25	8.18
General Farm Primarily Crop	8.29	8.32	8.11
Agricultural Production/Livestock	8.34	8.39	8.05
Beef Cattle Feed Lots	8.02	8.08	8.14
Beef Cattle Except Feed Lots	8.61	8.62	8.29
Dairy Farms	8.70	8.70	8.56
Chicken Eggs	8.02	8.15	7.41
Turkey & Turkey Eggs	8.23	8.29	7.72
Other Livestock	8.48	8.48	8.21
Total Agricultural Services	8.68	8.66	8.52
Soil Preparation Services	8.67	8.69	8.58
Crop Services	8.92	8.87	8.71
Plant Cultivate & Protection	8.71	8.67	8.53
Harvest Primarily by Machine	8.80	8.80	8.59
Preparation Services for Market	8.33	8.35	8.22
Cotton Ginning	9.84	9.67	9.50
Total Farm Labor & Management	8.46	8.42	8.27
Farm Labor Contractors	8.26	8.19	8.02
Farm Management Services	8.65	8.65	8.52

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	40.5	55.7	40.8
Total Agricultural Production/Crops	24.5	32.5	24.3
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.2
Vegetables and Melons	8.7	13.3	8.7
Total Fruits and Tree Nuts	4.7	7.9	4.7
Berries	3.4	6.4	2.9
Grapes	0.8	0.8	0.9
Tree Nuts	0.0	0.1	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.5	0.6	0.4
Other Fruits & Nuts	0.0	0.0	0.3
Total Horticultural Specialties	9.1	9.5	9.2
Ornamental Floral & Nursery	7.0	7.3	7.0
Food Crops Grown Under Cover	2.1	2.2	2.2
General Farm Primarily Crop	2.0	1.8	1.5
Agricultural Production/Livestock	0.0	0.0	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.0	0.0	0.4
Total Agricultural Services	16.0	23.2	15.5
Soil Preparation Services	0.3	0.4	0.5
Crop Services	8.1	9.8	7.4
Plant Cultivate & Protection	0.0	0.0	0.4
Harvest Primarily by Machine	1.1	2.1	1.0
Preparation Services for Market	7.0	7.7	6.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	7.6	13.0	7.6
Farm Labor Contractors	6.7	11.9	7.0
Farm Management Services	0.9	1.1	0.6

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	8.67	8.68	8.38
Total Agricultural Production/Crops	8.63	8.65	8.48
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	8.59
Cotton	na	na	na
Other Field Crops	na	na	8.59
Vegetables and Melons	9.14	9.09	8.77
Total Fruits and Tree Nuts	8.56	8.50	8.35
Berries	8.16	9.02	8.68
Grapes	9.39	8.35	8.19
Tree Nuts	na	8.48	7.91
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.13	8.13	8.25
Other Fruits & Nuts	na	na	8.74
Total Horticultural Specialties	8.55	8.54	8.43
Ornamental Floral & Nursery	8.57	8.53	8.54
Food Crops Grown Under Cover	8.53	8.54	8.32
General Farm Primarily Crop	8.27	8.48	8.28
Agricultural Production/Livestock	na	na	7.98
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.33
Dairy Farms	na	na	8.58
Chicken Eggs	na	na	7.41
Turkey & Turkey Eggs	na	na	7.81
Other Livestock	na	na	7.77
Total Agricultural Services	8.71	8.72	8.68
Soil Preparation Services	8.76	8.79	9.00
Crop Services	8.82	8.82	8.65
Plant Cultivate & Protection	na	na	8.60
Harvest Primarily by Machine	9.16	9.16	8.78
Preparation Services for Market	8.47	8.47	8.57
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.54	8.54	8.39
Farm Labor Contractors	8.31	8.31	8.00
Farm Management Services	8.77	8.77	8.78

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	27.8	27.2	31.3
Total Agricultural Production/Crops	11.1	10.0	13.1
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.5	1.5	1.3
Cotton	0.0	0.0	0.1
Other Field Crops	1.5	1.5	1.2
Vegetables and Melons	2.9	2.9	2.5
Total Fruits and Tree Nuts	3.3	2.2	4.5
Berries	0.0	0.0	0.0
Grapes	2.2	1.0	2.3
Tree Nuts	0.0	0.1	0.3
Citrus Fruits	0.0	0.0	0.8
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	1.1	1.1	1.0
Total Horticultural Specialties	1.5	1.5	1.7
Ornamental Floral & Nursery	1.5	1.5	1.6
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.9	1.9	3.0
Agricultural Production/Livestock	5.8	5.8	5.8
Beef Cattle Feed Lots	0.3	0.3	0.3
Beef Cattle Except Feed Lots	0.6	0.6	0.6
Dairy Farms	3.1	2.9	3.2
Chicken Eggs	1.2	1.2	1.1
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	0.8	0.6
Total Agricultural Services	10.9	11.4	12.4
Soil Preparation Services	0.1	0.0	0.1
Crop Services	3.1	3.2	4.2
Plant Cultivate & Protection	0.3	0.2	0.3
Harvest Primarily by Machine	0.6	0.7	0.7
Preparation Services for Market	2.2	2.3	2.8
Cotton Ginning	0.0	0.0	0.4
Total Farm Labor & Management	7.7	8.2	8.1
Farm Labor Contractors	7.2	7.6	7.0
Farm Management Services	0.5	0.6	1.1

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	8.35	8.32	8.15
Total Agricultural Production/Crops	8.49	8.46	8.01
Cash Grains	na	na	8.06
Rice	na	na	na
Other Cash Grains	na	na	8.06
Field Crops Except Grains	8.86	8.97	8.40
Cotton	na	na	8.25
Other Field Crops	8.86	8.97	8.54
Vegetables and Melons	8.32	8.41	7.74
Total Fruits and Tree Nuts	8.64	8.36	7.92
Berries	na	na	na
Grapes	8.69	8.63	7.92
Tree Nuts	na	7.88	7.31
Citrus Fruits	na	na	7.94
Deciduous Tree Fruit	na	na	7.89
Other Fruits & Nuts	8.58	8.56	8.56
Total Horticultural Specialties	8.38	8.38	7.99
Ornamental Floral & Nursery	8.38	8.38	7.72
Food Crops Grown Under Cover	na	na	8.26
General Farm Primarily Crop	8.27	8.18	7.98
Agricultural Production/Livestock	8.08	8.11	8.00
Beef Cattle Feed Lots	7.85	7.95	8.11
Beef Cattle Except Feed Lots	8.30	8.30	8.25
Dairy Farms	8.48	8.49	8.60
Chicken Eggs	7.61	7.65	7.35
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.14	8.14	7.69
Total Agricultural Services	8.47	8.39	8.43
Soil Preparation Services	8.57	na	8.51
Crop Services	8.53	8.56	8.64
Plant Cultivate & Protection	8.52	8.53	8.15
Harvest Primarily by Machine	8.98	8.96	8.90
Preparation Services for Market	8.09	8.20	8.02
Cotton Ginning	na	na	9.50
Total Farm Labor & Management	8.30	8.22	8.15
Farm Labor Contractors	8.15	7.97	8.08
Farm Management Services	8.45	8.46	8.21

na = not available

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	10.7	12.3	12.4
Total Agricultural Production/Crops	7.8	8.7	8.7
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	0.0	0.1	0.2
Total Fruits and Tree Nuts	6.4	7.2	6.7
Berries	0.0	0.0	0.0
Grapes	5.7	6.6	5.9
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.7	0.6	0.6
Other Fruits & Nuts	0.0	0.0	0.1
Total Horticultural Specialties	1.4	1.4	1.5
Ornamental Floral & Nursery	1.4	1.4	1.3
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.0	0.0	0.3
Agricultural Production/Livestock	1.4	1.5	1.8
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.2	0.2
Dairy Farms	0.9	0.9	1.0
Chicken Eggs	0.2	0.1	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.3	0.3
Total Agricultural Services	1.5	2.1	1.9
Soil Preparation Services	0.2	0.2	0.0
Crop Services	0.0	0.1	0.2
Plant Cultivate & Protection	0.0	0.0	0.1
Harvest Primarily by Machine	0.0	0.1	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.3	1.8	1.7
Farm Labor Contractors	0.2	0.5	0.2
Farm Management Services	1.1	1.3	1.5

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	8.76	8.74	8.33
Total Agricultural Production/Crops	8.76	8.73	8.43
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	na	8.66	8.84
Total Fruits and Tree Nuts	8.60	8.63	8.40
Berries	na	na	na
Grapes	8.55	8.54	8.66
Tree Nuts	na	na	7.91
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.65	8.72	8.57
Other Fruits & Nuts	na	na	8.46
Total Horticultural Specialties	8.91	8.90	8.42
Ornamental Floral & Nursery	8.91	8.90	8.67
Food Crops Grown Under Cover	na	na	8.16
General Farm Primarily Crop	na	na	8.05
Agricultural Production/Livestock	8.57	8.53	8.10
Beef Cattle Feed Lots	na	na	8.14
Beef Cattle Except Feed Lots	na	8.33	8.28
Dairy Farms	8.55	8.55	8.36
Chicken Eggs	8.52	8.54	7.41
Turkey & Turkey Eggs	na	na	7.67
Other Livestock	8.63	8.69	8.71
Total Agricultural Services	8.95	8.95	8.47
Soil Preparation Services	8.61	8.61	na
Crop Services	na	8.71	8.37
Plant Cultivate & Protection	na	na	8.52
Harvest Primarily by Machine	na	8.71	na
Preparation Services for Market	na	na	8.22
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.78	8.78	8.57
Farm Labor Contractors	8.63	8.63	8.37
Farm Management Services	8.93	8.93	8.76

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	51.6	53.5	65.8
Total Agricultural Production/Crops	36.3	38.2	48.0
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	0.2	0.2	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.2	0.2
Vegetables and Melons	7.1	7.8	6.6
Total Fruits and Tree Nuts	9.0	10.2	17.8
Berries	4.7	6.0	12.5
Grapes	1.0	0.9	1.9
Tree Nuts	0.1	0.1	0.1
Citrus Fruits	1.6	1.5	1.5
Deciduous Tree Fruit	0.1	0.2	0.1
Other Fruits & Nuts	1.5	1.5	1.7
Total Horticultural Specialties	16.7	16.7	19.3
Ornamental Floral & Nursery	15.9	15.9	18.5
Food Crops Grown Under Cover	0.8	0.8	0.8
General Farm Primarily Crop	3.3	3.3	4.0
Agricultural Production/Livestock	2.0	2.0	1.8
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.3	0.3	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.5	1.5	1.0
Total Agricultural Services	13.3	13.3	16.0
Soil Preparation Services	0.1	0.1	1.0
Crop Services	2.4	2.4	2.7
Plant Cultivate & Protection	0.7	0.7	0.4
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	1.7	1.7	2.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	10.8	10.8	12.3
Farm Labor Contractors	9.8	9.8	10.9
Farm Management Services	1.0	1.0	1.4

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	8.41	8.56	8.26
Total Agricultural Production/Crops	8.07	8.32	8.22
Cash Grains	na	na	8.06
Rice	na	na	na
Other Cash Grains	na	na	8.06
Field Crops Except Grains	7.46	7.82	8.49
Cotton	na	na	na
Other Field Crops	7.46	7.82	8.49
Vegetables and Melons	7.68	8.51	8.33
Total Fruits and Tree Nuts	8.38	8.43	8.08
Berries	7.93	7.87	7.88
Grapes	8.47	8.56	8.46
Tree Nuts	8.58	8.95	7.91
Citrus Fruits	8.46	8.46	8.36
Deciduous Tree Fruit	8.17	8.13	7.25
Other Fruits & Nuts	8.69	8.62	8.62
Total Horticultural Specialties	8.45	8.47	8.25
Ornamental Floral & Nursery	8.54	8.56	8.51
Food Crops Grown Under Cover	8.36	8.38	7.99
General Farm Primarily Crop	8.38	8.35	8.10
Agricultural Production/Livestock	8.60	8.83	8.18
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	9.33	9.70	8.56
Dairy Farms	na	na	8.56
Chicken Eggs	7.92	8.27	7.41
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.54	8.52	8.17
Total Agricultural Services	8.55	8.54	8.39
Soil Preparation Services	8.77	8.77	8.51
Crop Services	8.58	8.59	8.49
Plant Cultivate & Protection	8.86	8.87	8.74
Harvest Primarily by Machine	na	na	8.59
Preparation Services for Market	8.29	8.31	8.13
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.31	8.27	8.17
Farm Labor Contractors	8.04	7.96	7.86
Farm Management Services	8.58	8.57	8.47

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	163.3	167.5	159.7
Total Agricultural Production/Crops	57.8	59.5	58.0
Cash Grains	0.0	0.0	0.4
Rice	0.0	0.0	0.1
Other Cash Grains	0.3	0.2	0.3
Field Crops Except Grains	5.5	7.3	6.1
Cotton	3.9	4.9	4.3
Other Field Crops	1.6	2.4	1.8
Vegetables and Melons	5.4	5.4	3.9
Total Fruits and Tree Nuts	34.2	34.0	33.5
Berries	0.0	0.1	0.2
Grapes	18.1	16.6	18.3
Tree Nuts	5.7	5.9	5.4
Citrus Fruits	2.1	2.1	1.5
Deciduous Tree Fruit	5.6	6.5	5.2
Other Fruits & Nuts	2.7	2.8	2.9
Total Horticultural Specialties	4.8	4.6	4.7
Ornamental Floral & Nursery	4.6	4.3	4.5
Food Crops Grown Under Cover	0.2	0.3	0.2
General Farm Primarily Crop	7.9	8.2	9.4
Agricultural Production/Livestock	15.6	16.0	18.1
Beef Cattle Feed Lots	0.4	0.4	0.6
Beef Cattle Except Feed Lots	1.4	1.4	1.7
Dairy Farms	11.8	12.2	12.4
Chicken Eggs	0.0	0.0	0.6
Turkey & Turkey Eggs	0.7	0.7	0.8
Other Livestock	1.3	1.3	2.0
Total Agricultural Services	89.9	92.0	83.6
Soil Preparation Services	0.6	0.8	0.7
Crop Services	24.0	27.3	22.7
Plant Cultivate & Protection	3.2	3.5	3.1
Harvest Primarily by Machine	1.4	2.8	1.6
Preparation Services for Market	18.1	19.3	16.5
Cotton Ginning	1.3	1.7	1.5
Total Farm Labor & Management	65.3	63.9	60.2
Farm Labor Contractors	61.2	59.9	56.4
Farm Management Services	4.1	4.0	3.8

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	8.38	8.39	8.22
Total Agricultural Production/Crops	8.07	8.10	8.15
Cash Grains	na	na	8.32
Rice	na	na	8.77
Other Cash Grains	7.23	8.27	7.86
Field Crops Except Grains	8.20	7.91	8.28
Cotton	8.29	8.06	8.25
Other Field Crops	8.10	7.76	8.30
Vegetables and Melons	7.68	8.24	8.11
Total Fruits and Tree Nuts	8.30	8.15	8.02
Berries	na	7.61	8.01
Grapes	8.06	8.05	8.05
Tree Nuts	8.69	8.61	8.23
Citrus Fruits	8.31	8.27	8.06
Deciduous Tree Fruit	8.21	8.13	7.64
Other Fruits & Nuts	8.24	8.25	8.11
Total Horticultural Specialties	8.05	8.06	8.13
Ornamental Floral & Nursery	8.30	8.29	8.10
Food Crops Grown Under Cover	7.80	7.82	8.16
General Farm Primarily Crop	8.14	8.16	8.05
Agricultural Production/Livestock	8.51	8.52	8.14
Beef Cattle Feed Lots	8.19	8.21	8.16
Beef Cattle Except Feed Lots	8.42	8.38	8.03
Dairy Farms	9.04	9.00	8.87
Chicken Eggs	na	na	7.47
Turkey & Turkey Eggs	8.23	8.29	7.67
Other Livestock	8.68	8.72	8.66
Total Agricultural Services	8.55	8.55	8.35
Soil Preparation Services	8.63	8.63	8.46
Crop Services	8.80	8.79	8.55
Plant Cultivate & Protection	8.69	8.71	8.44
Harvest Primarily by Machine	8.26	8.36	8.18
Preparation Services for Market	8.40	8.42	8.08
Cotton Ginning	9.84	9.67	9.50
Total Farm Labor & Management	8.24	8.24	8.05
Farm Labor Contractors	7.96	7.97	7.73
Farm Management Services	8.51	8.51	8.37

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	16.7	17.0	20.1
Total Agricultural Production/Crops	11.7	11.4	13.2
Cash Grains	0.7	1.0	1.3
Rice	0.4	0.7	1.0
Other Cash Grains	0.3	0.3	0.3
Field Crops Except Grains	0.3	0.3	0.5
Cotton	0.0	0.0	0.0
Other Field Crops	0.3	0.3	0.5
Vegetables and Melons	1.3	1.3	1.0
Total Fruits and Tree Nuts	5.6	6.0	6.3
Berries	0.0	0.0	0.0
Grapes	0.8	0.9	1.4
Tree Nuts	1.7	2.0	2.3
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	2.3	2.1	1.8
Other Fruits & Nuts	0.8	1.0	0.8
Total Horticultural Specialties	1.6	0.9	1.8
Ornamental Floral & Nursery	1.6	0.9	1.7
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	2.2	1.9	2.3
Agricultural Production/Livestock	1.6	1.5	1.6
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.5	0.5	0.5
Dairy Farms	0.6	0.5	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.5	0.6
Total Agricultural Services	3.4	4.1	5.3
Soil Preparation Services	0.2	0.1	0.1
Crop Services	1.1	1.6	2.1
Plant Cultivate & Protection	0.4	0.5	0.5
Harvest Primarily by Machine	0.0	0.2	0.2
Preparation Services for Market	0.7	0.9	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.1	2.4	3.1
Farm Labor Contractors	1.8	2.1	2.9
Farm Management Services	0.3	0.3	0.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2002	Nov 2002	Dec 2001
Total Agriculture	8.50	8.50	8.33
Total Agricultural Production/Crops	8.40	8.43	8.28
Cash Grains	8.45	8.75	8.55
Rice	8.58	9.26	8.84
Other Cash Grains	8.31	8.24	8.26
Field Crops Except Grains	8.19	8.12	8.17
Cotton	na	na	na
Other Field Crops	8.19	8.12	8.17
Vegetables and Melons	8.48	8.62	8.36
Total Fruits and Tree Nuts	8.22	8.25	8.02
Berries	na	na	na
Grapes	8.44	8.39	7.87
Tree Nuts	8.32	8.37	8.20
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.11	7.90	7.75
Other Fruits & Nuts	8.00	8.35	8.26
Total Horticultural Specialties	8.63	8.40	8.37
Ornamental Floral & Nursery	8.63	8.40	8.57
Food Crops Grown Under Cover	na	na	8.16
General Farm Primarily Crop	8.41	8.44	8.21
Agricultural Production/Livestock	8.51	8.50	8.32
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.39	8.41	8.31
Dairy Farms	8.71	8.74	8.40
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.42	8.35	8.24
Total Agricultural Services	8.61	8.57	8.40
Soil Preparation Services	8.68	8.67	8.40
Crop Services	8.59	8.58	8.51
Plant Cultivate & Protection	8.78	8.57	8.74
Harvest Primarily by Machine	na	8.81	8.50
Preparation Services for Market	8.39	8.37	8.29
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.57	8.47	8.30
Farm Labor Contractors	8.49	8.29	8.08
Farm Management Services	8.64	8.65	8.52

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the State's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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